

Magnetomitotransfer: An efficient way for direct mitochondria transfer into cultured human cells

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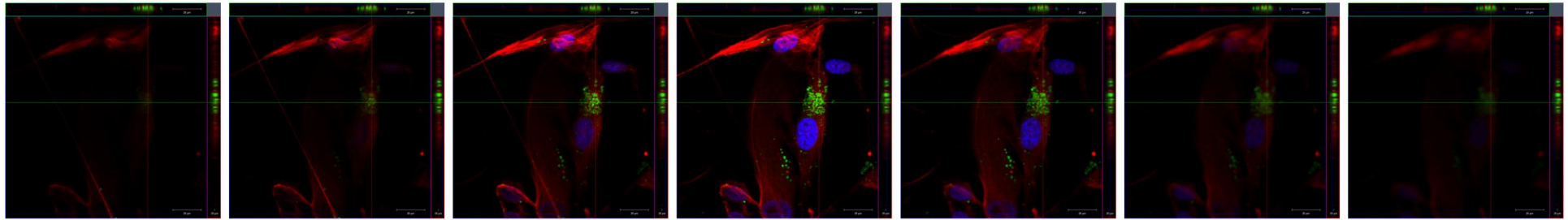


Fig S1. 3D analyses of LSC microscopic scans: The cell level series of a magnetomitotransferred MRC-5 fibroblast including the signal analyses on the edges shows the intracellular green signal of magnetomitotransferred mitochondria (FITC-labeled mitochondria).

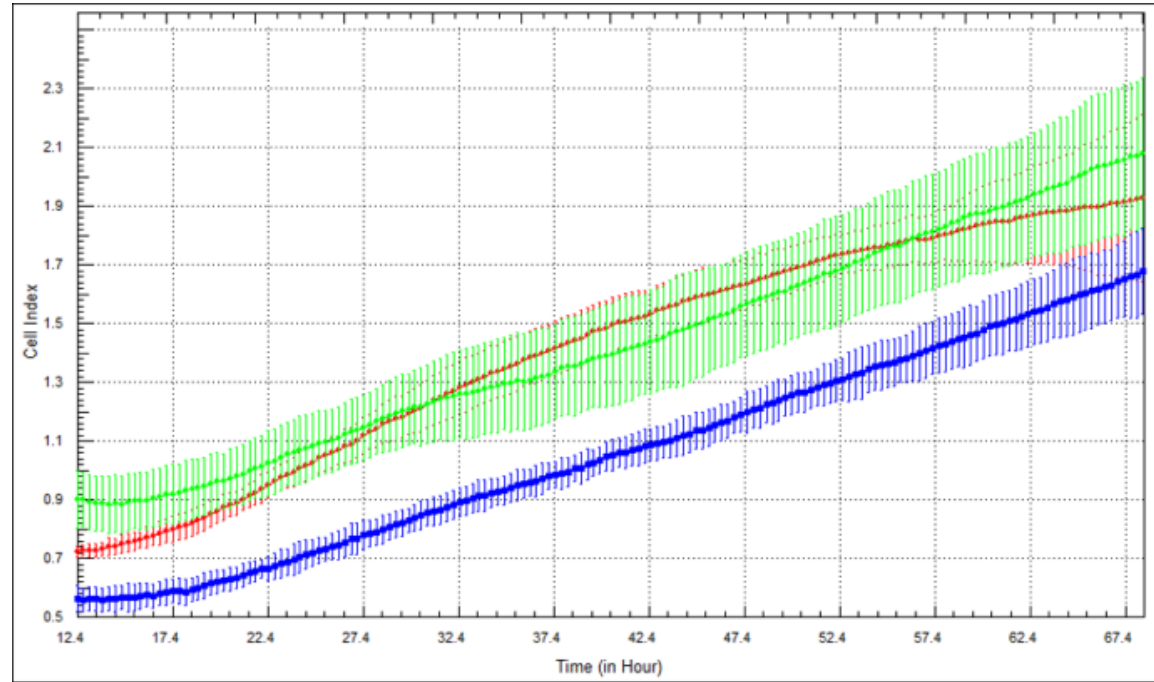


Fig S2. The growth and survival abilities of the MRC-5 fibroblasts after magnetomitotransfer were determined using an x-CELLingence biosensor system. The number of cells is represented as the cell index (y-axis). The experiment shows no statistical significant differences between magnetomitotransferred MRC-5 fibroblasts (red and green) and the control MRC-5 fibroblasts (blue), which were treated with microbeads only.